

# SEQUENCE LISTING

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TECH CENTER 1300/2900

<110> Goulmy, Elsa

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN  
HA-1

<130> 2799/58994

<140> 09/269,250

<141> 1998-07-23

<160> 38

<170> PatentIn Ver. 2.1

<210> 1

<211> 377

<212> DNA

<213> Human

<400> 1

gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60  
ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120  
gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttg tgggggagtc 180  
cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240  
aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300  
gaatgcattt gggggccaag gtgtggggtg ccgctgggtg aggatgaagg catgacaacg 360  
ccaggcagaa gggcaat 377

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

gtgctgcctc ctggacactg

20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3

tggtctcac cgtcatgcag

20

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 4

tggtctcac cgtcacgcaa

20

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 5

gcattctctg tttcgtgtt

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 6

cttaaggagt gtgtgctgca

20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 7

cttaaggagt gtgtgttgcg

20

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 8

gctgtcatgg cctcttccac

20

<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 9

gcattctctg tttccgtgtt

20

<210> 10

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 10

ggcagagagc cctcgcagcc

20

<210> 11

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 11

gtgtgtttgcg tgacggtg

18

<210> 12

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 12

gtgtgtttgcg tgacg

15

<210> 13

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 13

tgtgtgtttgc gtgacg

16

<210> 14

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 14

tgtgtgctgc atgacggtg

19

<210> 15

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 15

tgtgtgctgc atgacggt

18

<210> 16

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

gtgtgctgca tgacggtg

18

<210> 17

<211> 9

<212> PRT

<213> Human

<220>

<221> SITE

<222> (3)

<223> Wherein Xaa at position 3 represents a histidine (H) or an arginine (R) residue.

<400> 17

Val Leu Xaa Asp Asp Leu Leu Glu Ala

1

5

<210> 18

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 18

gctcctgcat gacgctctgt ctgca

25

<210> 19

<211> 24  
 <212> DNA  
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 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 19  
 gacgtcgtcg aggacatctc ccat 24  
  
 <210> 20  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 20  
 gaaggccaca gcaatcgtct ccagg 25  
  
 <210> 21  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 21  
 ccttgagaaa cttaaggagt gtgtgctgca 30  
  
 <210> 22  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Primer  
  
 <400> 22  
 ccttgagaaa cttaaggagt gtgtgttgcg 30  
  
 <210> 23

<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 23  
ccggcatgga cgtcgtcgag gacatctccc atc

33

<210> 24  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 24  
ctacttcagg ccacagcaat cgtctccagg

30

<210> 25  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>

<221> CDS

<222> (1)..(27)

<220>

<223> Description of Artificial Sequence: Exon  
Fragments

<400> 25  
gtg ttg cgt gac gac ctc ctt gag gcc  
Val Leu Arg Asp Asp Leu Leu Glu Ala  
1 5

27

<210> 26  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<223> Description of Artificial Sequence: Exon  
Fragments

<400> 26

Val Leu Arg Asp Asp Leu Leu Glu Ala

1

5

<210> 27

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> CDS

<222> (1)..(27)

<220>

<223> Description of Artificial Sequence: Exon  
Fragments

<400> 27

gtg ctg cat gac gac ctc ctt gag gcc

27

Val Leu His Asp Asp Leu Leu Glu Ala

1

5

<210> 28

<211> 9

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Exon  
Fragments

<400> 28

Val Leu His Asp Asp Leu Leu Glu Ala

1

5

<210> 29

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon  
Fragments



<400> 29  
gtgttgcggtg acggtgagag cca 23

<210> 30  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Exon  
Fragments

<400> 30  
ctcactccga ctctcccag cagacctct tgaggcc 37

<210> 31  
<211> 39  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> CDS  
<222> (1)..(39)

<220>  
<223> Description of Artificial Sequence: PCR Product

<400> 31  
gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc 39  
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg  
1 5 10

<210> 32  
<211> 13  
<212> PRT  
<213> Artificial Sequence  
<223> Description of Artificial Sequence: PCR Product

<400> 32  
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg  
1 5 10

<210> 33

<211> 39  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> CDS  
<222> (1)..(39)

<220>  
<223> Description of Artificial Sequence: PCR Product

<400> 33  
gag tgt gtg ctg cat gac gac ctc ctt gag gcc cgc cgc 39  
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg  
1 5 10

<210> 34  
<211> 13  
<212> PRT  
<213> Artificial Sequence  
<223> Description of Artificial Sequence: PCR Product

<400> 34  
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg  
1 5 10

<210> 35  
<211> 78  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> CDS  
<222> (1)..(78)

<220>  
<223> Description of Artificial Sequence: PCR Product

<400> 35  
gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc gag tgt gtg 48  
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val  
1 5 10 15

ctg cat gac gac ctc ctt gag gcc cgc cgc 78  
Leu His Asp Asp Leu Leu Glu Ala Arg Arg

<210> 36

<211> 26

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: PCR Product

<400> 36

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val  
1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg  
20 25

<210> 37

<211> 9

<212> PRT

<213> Human

<220>

<221> SITE

<222> (2)

<223> Wherein Xaa at position 2 represents Isoleucine or  
Leucine

<400> 37

Tyr Xaa Thr Asp Arg Val Met Thr Val  
1 5

<210> 38

<211> 8

<212> PRT

<213> Human

<400> 38

Val Leu His Asp Leu Leu Glu Ala  
1 5